Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 11 Jan 2023 until 23:59 on Thursday 12 Jan 2023

Forecast Issued on Tuesday 10 Jan 2023 at 11:05

Confidence: High for unsettled, but lowering for the detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow.

Headline for Wednesday 11 Jan 2023: Showers, these turning frequent and heavy during the afternoon. Periods of rain and summit snow developing towards midnight. Early summit gales.

Mountain weather hazards on Wednesday 11 Jan 2023

Blizzards
No Likelihood

Gales
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sleet showers	Sleet showers	Heavy snow showers	Light snow showers (night)	Partly cloudy (night)
Precipitation probability							
10%	10%	20%	40%	50%	70%	40%	20%

Forecast for Wednesday 11 Jan 2023

Weather: Clear spells and isolated showers overnight. Scattered showers and brighter spells for the morning. Showers building for the afternoon, bringing the chance of some hail and thunder to western ranges. Snow level around 600m. Outbreaks easing early evening, then an area of rain and summit snow spreads from the west towards midnight.

Chance of cloud-free hill tops above 600m: 75% during the morning becoming 25% for the afternoon.

Low Cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases occasional down to 500m in the morning, frequently so for the afternoon.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Wednesday 11 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	29/43 W	27/41 W	29/43 SW	27/40 SW	26/38 SW	25/37 SW	23/34 W	23/35 SW	17/25 SW
300	20/41 W	19/40 W	19/39 SW	19/38 SW	17/34 SW	19/37 W	14/30 W	15/32 SW	11/22 SW
Valley	17/37 W	16/35 W	16/35 SW	18/38 SW	16/33 SW	18/37 W	13/29 W	14/30 SW	8/18 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-4	2/-5	2/-6	2/-6	2/-5	1/-6	0/-6	2/-5	2/-4
300	5/0	4/-1	4/-1	4/-1	4/-1	3/-2	3/-2	4/-1	4/-0
Valley	7/2	6/2	6/1	6/1	6/1	5/-0	5/1	6/2	5/2
Freezing Level*	900m	800m	800m	800m	800m	700m	700m	800m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill at height. Hill fog quite extensive for the afternoon.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 10 Jan 2023	25.8mm	29.4mm	39.8mm

Forecast for Thursday 12 Jan 2023

Weather: Rather cloudy and showery with outbreaks turning heavy at times. Snow across highest peaks. Best of the limited shelter across the eastern ranges.

Maximum wind: West to southwest increasing for the afternoon to mean 25-30mph with gusts reaching 45mph over most exposed ridges and summits.

Chance of cloud-free hill tops above 600m: 60% for any one time, but very low for extended periods given the showery nature of the flow.

Low Cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases quite frequently down to 500m

Temperature: **Valleys:** Plus 1 Celsius increasing 10 Celsius during the afternoon
At 600m: Plus 3 Celsius
Freezing level: 800m

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